

able storage medium, apparatus and/or device (for example, magnetic discs, optical disks, memory, Programmable Logic Devices (PLDs)) used to provide machine instructions and/or data to a programmable processor, including a machine-readable medium that receives machine instructions. Similarly, systems are also described herein that may include a processor and a memory coupled to the processor. The memory may include one or more programs that cause the processor to perform one or more of the operations described herein.

[0054] Although a few variations have been described in detail above, other modifications or additions are possible. In particular, further features and/or variations may be provided in addition to those set forth herein. Moreover, the implementations described above may be directed to various combinations and subcombinations of the disclosed features and/or combinations and subcombinations of several further features disclosed above. Other embodiments may be within the scope of the following claims.

[0055] If desired, the different functions discussed herein may be performed in a different order and/or concurrently with each other. Furthermore, if desired, one or more of the above-described functions may be optional or may be combined. Although various aspects of some of the embodiments are set out in the independent claims, other aspects of some of the embodiments comprise other combinations of features from the described embodiments and/or the dependent claims with the features of the independent claims, and not solely the combinations explicitly set out in the claims. It is also noted herein that while the above describes example embodiments, these descriptions should not be viewed in a limiting sense. Rather, there are several variations and modifications that may be made without departing from the scope of some of the embodiments as defined in the appended claims. Other embodiments may be within the scope of the following claims. The term “based on” includes “based on at least.” The use of the phrase “such as” means “such as for example” unless otherwise indicated.

1-53. (canceled)

54. A method comprising:

receiving, at a user equipment, measurement configuration information including at least one value for a first type of reference signal received quality measurement; detecting, at the user equipment, whether an offset is received from the network; adjusting the at least one value in accordance with the detected offset to enable a second type of reference signal received quality measurement at the user equipment; and activating the second type of reference signal received quality measurement configured with the adjusted at least one value.

55. The method of claim **54**, wherein the first type of reference signal received quality is determined based on a reference symbol received power divided by a received signal strength indicator, wherein the received signal strength indicator is measured from symbols only in which common reference symbols are present.

56. The method of claim **54**, wherein the second type of reference signal received quality is determined based on a reference symbol received power divided by a received signal strength indicator, wherein the received signal strength indicator is measured from all of the symbols of a subframe.

57. The method of claim **54**, wherein the adjusting is specific to at least one of one or more cells, one or more carriers and one or more measurement events.

58. The method of claim **54**, wherein when the offset is detected, the user equipment determines that the second type of reference signal received quality measurement is to be activated at the user equipment.

59. An apparatus, comprising:

at least one processor; and

at least one memory including computer program code, the at least one memory and the computer program code configured to, with the at least one processor, cause the apparatus to perform at least the following: receive, at the apparatus, measurement configuration information including at least one value for a first type of reference signal received quality measurement;

detect, at the apparatus, whether an offset is received from the network;

adjust the at least one value in accordance with the detected offset to enable a second type of reference signal received quality measurement at the apparatus; and

activate the second type of reference signal received quality measurement configured with the adjusted at least one value.

60. The apparatus of claim **59**, wherein the first type of reference signal received quality is determined based on a reference symbol received power divided by a received signal strength indicator, wherein the received signal strength indicator is measured from symbols only in which common reference symbols are present.

61. The apparatus of claim **59**, wherein the second type of reference signal received quality is determined based on a reference symbol received power divided by a received signal strength indicator, wherein the received signal strength indicator is measured from all of the symbols of a subframe.

62. The apparatus of claim **59**, wherein the adjusting is specific to at least one of one or more cells, one or more carriers and one or more measurement events.

63. The apparatus of claim **59**, wherein when the offset is detected, the apparatus determines that the second type of reference signal received quality measurement is to be activated at the apparatus.

64. The apparatus of claim **59**, wherein the detecting further comprises detecting an indicator representative the second type of reference signal received quality measurement being activated at the apparatus.

65. The apparatus of claim **64**, wherein when the apparatus does not receive at least one of the indicator or the offset, the apparatus enables the first type of reference signal received quality measurement.

66. The apparatus of claim **64**, wherein the apparatus is further configured to at least measure a difference between the first type of reference signal received quality measurement and the second type of reference signal received quality measurement.

67. A method comprising:

sending, by a base station, measurement configuration information including at least one value for a first type of reference signal received quality measurement; and